WT-218

GSM Car Alarm System

User Manual

WITURA CORPORATION SDN BHD

PRODUCT OVERVIEW

GSM Remote Car Alarm System is the new version of car one-way or two-way alarms system. It combines the GSM mobile communication, GSM locating technology and MECROCHIP rolling code technology, multi-code mating and microcomputer technology. The car owners can control the car remotely by cell phone in another place even in another city. The system can call emergency help to the mobile or fixed phone automatically.

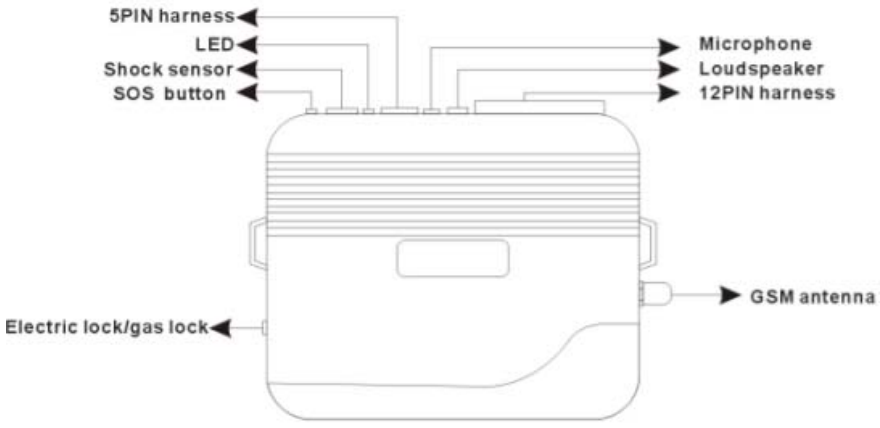
The functions of GSM remote car alarm system

1. Ensure the safety of company and personal vehicles.
2. Prevent the occurrences of crimes to vehicles.
3. Decrease the compensation of insurance.
4. Give alarm in time
5. Be convenient for taxi and transportation companies to manage vehicles

THE LIST OF PARTS

One main unit ,two remote controllers ,one wireless remote keyboard, one shock sensor, siren, loudspeaker, one GSM antenna, one relay, one emergency button, LED, 5 PIN wire harness, 12 PIN wire harness, microphone , user manual.

I: The Main Unit



<Please refer to the wiring diagram of installation and do according to the diagram when install>

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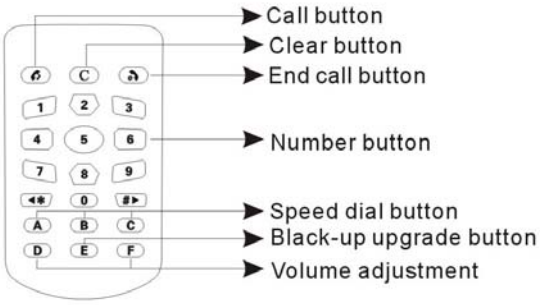
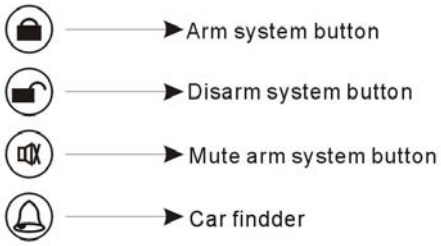
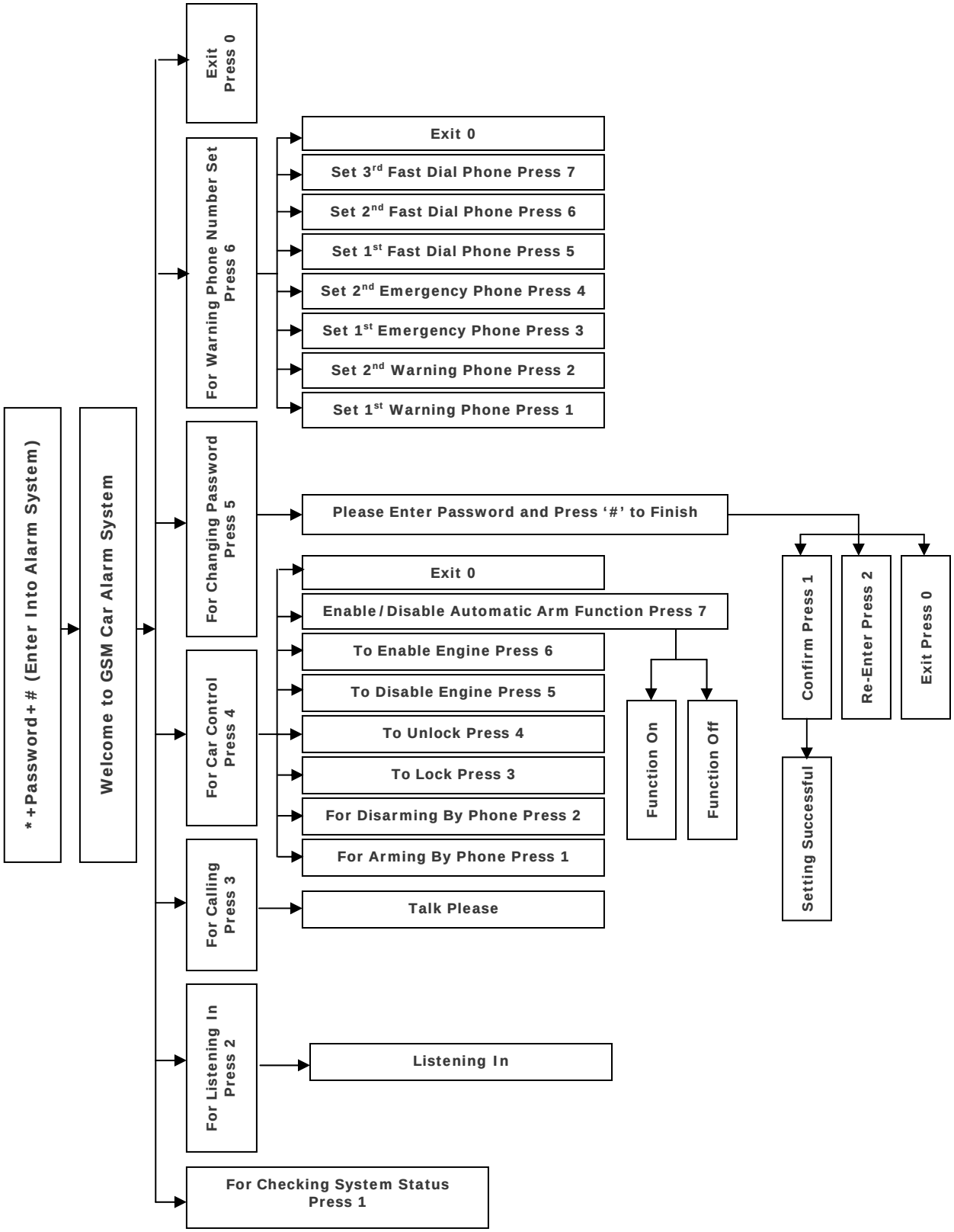
II: Identification for wireless keyboard



III: Remote Controllers



SPEED OPERATION GUIDE


*+Password+# (Enter Into Alarm System)
Welcome to GSM Car Alarm System
Exit Press 0
For Warning Phone Number Set Press 6
Exit 0
Set 3rd Fast Dial Phone Press 7
Set 2nd Fast Dial Phone Press 6
Set 1st Fast Dial Phone Press 5
Set 2nd Emergency Phone Press 4
Set 1st Emergency Phone Press 3
Set 2nd Warning Phone Press 2
Set 1st Warning Phone Press 1
For Changing Password Press 5
Please Enter Password and Press '#' to Finish
Confirm Press 1
Re-Enter Press 2
Exit Press 0
Setting Successful
For Car Control Press 4
Exit 0
Enable/Disable Automatic Arm Function Press 7
Function On
Function Off
To Enable Engine Press 6
To Disable Engine Press 5
To Unlock Press 4
To Lock Press 3
For Disarming By Phone Press 2
For Arming By Phone Press 1
For Calling Press 3
Talk Please
For Listening In Press 2
Listening In
For Checking System Status Press 1

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DETAILS FUNCTIONS INTRODUCTION

1. Remote Controller Function

(1) Remote controllers arm system

Briefly press button, direction light will flash once, siren will chirps once, enter into sound and light alarming status. If car door isn't locked well, press button, direction lights will flash for 3 times and siren chirps three times, enter into sound and light alarming status. If the door is still unlocked within 30 seconds, the main unit will alarm. Under system disarmed status and car is running, press button, the central lock will lock automatically.

(2) Remote controller disarm system

Briefly press , direction lights will flash twice and siren will chirps twice, system will be disarmed. Under system disarmed status and car is running, press , the central lock will unlocked automatically.

(3) Car finding

Briefly press button, direction light flashes for 25 seconds, siren will chirp for 25 seconds, showing the car location, and press any button to end searching; under mute alarm system, briefly press button, direction lights flash for 25 seconds to show the car location , press any button to end searching.

(4) Mute alarm system

Briefly press , direction light flashes once, enter into mute alarm status. If door is unlocked, press button, direction lights flash for three times, enter into mute alarm status. If the door is still unlocked within 30 seconds, base unit will enter into alarming status.

(5) Trunk release

Under system disarmed status, press button above 3 seconds, the trunk will be release once and siren will chirp once.

Notice: Vehicle itself must have remote trunk release function.

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(6) Emergency help

Under system disarmed status and car is running, press the mute button for at least 3 seconds, LED will be lightning , direction light flashes, siren will chirps constantly, and engine will be stopped 10 seconds later. Press , and then press , Emergency help will stop.

(7) Main unit reset function itself

Press and at the same time, direction lights flash three times, the system communication Module will reset and then start.

2. Wireless Keyboard Operation

(1) Menu function

Press the “*” and “#” in keyboard (if there is password, please press the “*” + password+ “#”), then voice prompts “Welcome to GSM car alarm system”, and enter into phone operation menu, in which except “2 Monitoring and 3 Speaking” are invalid; any other options are the same with “Telephone operating function”.

(2) Answering Call function

When there is call, you will hear a ringing first, and then twice phone number report, and then continuous ringing. During this period, press “Call” button and enter into hand free talking. Press “Call” button again to switch to earphone function.

(3) Re-dial function

Press “Call” to re-dial the last call-out phone number.

(4) Volume adjustment

When you use the car phone function, press the "D" to increase volume and "F" to decrease volume.

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3. Phone Operation Functions

MAIN MENU

(1) When the engine is started:

If there is call, Voice prompts “welcome to GSM car alarm system 1, car control 2, Talking”, press 2, you will hear the “Ringing…….Phone number reporting twice….Ringing”; press 2, enter into car control option, voice prompts you “please enter password, and press # to finish”, if password is wrong ,voice prompts “wrong password ,try again”, continuous wrong password for five times, voice prompts “Wrong password ,bye” .If password is correct ,voice prompts “For check system status press 1 for Monitoring press 2, for talk press 3, for car control press 4, for changing password press 5, for alarming Phone Number Set press 6 , exit press 0 ”

(2) When the car is parking

If there is call, voice prompts “Welcome to GSM car alarm system please enter the password, and press ‘#’ to finish”. If the password is wrong, voice prompts: “wrong password, please try again”, continuous wrong password five times, then voice prompts: “wrong password, bye” If the password is right, voice prompts “For check system status press 1 for Monitoring press 2, for talk press 3, for car control press 4, for changing password press 5, for alarming Phone Number Set press 6, exit press 0”

(3) If no response:

If there is no response after 45 seconds during the operation, voice prompts “Du…”once per 5 seconds, when time reaches 1 minute, then “Time is out, goodbye”.

Notice: The SIM card must support the call ID function

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(a) Check System Status

(i) Under system armed status

Call the main unit by phone, enters into the main operation menu, and selects “Check system status press 1”, according to condition that the car is under, voice reports:

“Alarm system armed, door locked”

“Alarm system armed, door unlocked”

“Alarm system armed, door lock, engine disable”

(ii) Under system disarmed status

Call the main unit by phone, enters into the main operation menu, and selects “Check system status press 1”, according to condition that the car is under, voice reports:

“Alarm system disarmed, door unlock”

“Alarm system disarmed, door unlock, car door open”

“Alarm system disarmed, door unlock, engine disable”

“Alarm system disarmed, door lock”

“Alarm system disarmed, door lock, car in running”

(b) Monitoring

Call the main unit by phone, enters into operation main menu, selects “For Monitoring press 2” to enter into monitoring mode, voice prompts “start monitoring”. The limit time for monitoring is 5 minutes, if you want to keep on monitoring, press any button within 5 minutes but except “0” and “3”, then you can continue to monitor for another 5 minutes, otherwise 5 minutes later, and the call ends automatically.

During monitoring, press “0” back to the main menu.

During the monitoring, press “3” to start talking, meanwhile press “2” back to monitoring again

(c) Talking

Call the main unit by phone, enters into the main operation menu to press “For talk press3”, voice prompts “Talk, please”, and then you can talk with the person inside the car, 5 minutes later, overtime prompts “Du…”, press any key except “0” and “2” to continue talking another five minutes, otherwise five minutes later, voice prompts “Time is out, good bye” then the call ends automatically.

During talking, press “0” to be back to the main menu.

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During talking, press “2” to start monitoring, meanwhile press “3” back to talking

CAR CONTROL

Call the main unit by phone, enters into main operation menu and select “for car control press 4” to enter into sub-menu

(1) Arm system by phone

Enter into sub-menu and select “for arm by phone press 1”, the reaction of the main unit is the same with “ ' on the remote controller, voice prompts “alarm system armed by phone”. If engine is started, this function is valid. If system armed by phone, remote controller will be invalid, system can be disarmed only by phone, after that remote controller then can be useful.

(2) Disarm system by phone

Enter into sub-menu and select “for disarm by phone press 2” the reaction is the same with “ ' on remote controller, and voice prompts “alarm system disarmed by phone”

(3) Door Lock

Enter into sub-menu and select “to lock press 3”, the central lock will lock the system; voice prompts “Car Door locked”

(4) Door Unlock

Enter into sub-menu and choose “to unlock press 4”, control system will unlocked the system, voice prompts “Car Door unlocked”

(5) Engine disables

Enter into sub-menu and select “To disable the engine press 5”, if the car is running, voice prompts “to confirm stopping the engine press 1, exit press 0”, select “To confirm disable the engine press 1”, system reports “Engine disable, 9, 8, 7, 6, 5, 4, 3, 2, 1 and 0”, then the car will stops, direction lights will flash and siren will chirp.

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(6) Engine enables

Enter into sub-menu and select “to enable the engine press 6”, both siren and direction light will stop working as above, voice prompts “Engine enable” and system allows car running.

(7) Enable or disable the automatic alarm function

(a) Enable the automatic alarm function

Press “7” and direction light will flash once and voice prompts “Function on “.

(b) Disable the automatic arm function

Press “7” again and direction light will flash twice and voice prompts “Function off”

(8) Exit

Enter into sub-menu and choose “0, exit”, and system will be return to the last main menu.

CHANGE PASSWORD

Call the base unit by phone, enter into operating main menu and choose “to changing password press 5”, voice prompts “please enter password and press ‘#’ to finish”, after it, input your password, voice prompts “your password is ******, for. Confirm press 1, for re-enter press 2, for exit press 0”, then select “for confirm press 1” and “set successful”; if you want to delete password, after voice prompts “please enter password and press ‘#’ to finish”, only press # without no numbers, then system will prompt “your password is **XXX** ,to Confirm press 1,to re-enter press 2, to exit press0”, select “to confirm press 1”, system prompts “set successfully”, the previous password deleted

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SET UP PHONE NUMBERS

Contact with the base unit by phone, enter into the main operation menu and select “for alarming phone number set up press 6” ,then enter into the next sub-menu:

(1) Set up the first alarming telephone number

Enter into sub-menu and choose “the first alarming phone No Set up press 1”, voice prompts “enter telephone No. and press ‘#’ to finish” after that voice prompts “your enter phone number is ******, for confirm press 1, for re-enter press 2, for exit press 0”, then choose “for confirm press 1”, finally system prompts” set successfully”; if choose “for re-enter press 2”, please input the phone number again, choose “for exit press 0” and you will exit from the first alarm phone number set-up; if you want to delete the phone number, after hearing the voice: “enter phone number, press # to finish, please just press ‘#’ without any numbers, system prompts” your entered phone number is ******, for confirm press 1, for re-enter press 2, for exit press 0”, press 1, system will disregard the previous phone numbers

(2) Set up the secondary alarming phone number

Enter into sub-menu and choose “the secondary alarm phone number set up press 2”, the later operation method is the same as the first alarm phone number set-up

(3) Set up the two emergency phone number

Enter into the sub-menu and choose “for the first emergency phone number set up press 3”, later operation method is the same as above

Enter into the sub-menu and choose “for the secondary emergency phone number set up press 4”, later operation method is the same as above

(4) Speed dialing phone numbers (3 speed keys as A/B/C)

Enter into sub-menu to choose “for the first speed dialing phone number set press 5”, “for the secondary speed dialing phone number set press 6”, and “for the third speed dialing phone number set press 7”, the operating method is the same with above

Choose “for exit press 0” in the main menu, voice prompts “Thanks, bye”, and the call ends

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4. ALARMING

(1) Shocking alarming

(a) Siren & light alarming

Briefly press the in remote controller to make the main unit into siren & light alarming status. After 25 seconds, trigger the system by shaking, direction lights flash for 5 seconds, sire chirps desultory for 25 seconds, the system will call the programmed alarm phone number, after answering the call, voice prompts “shaking alarm” for 5 times, then enter into the main operation menu.

(b) Mute alarming status

Briefly press in remote controller to make the system enter into mute alarming status. Under mute status, trigger the alarm by shaking for the first time, the direction lights flash for 25 seconds, 15 seconds later, trigger the alarm by shaking again, direction lights flash for 25 seconds, the system call for the programmed alarm phone numbers, after answering the call, voice promotes you “Shaking alarm” for 5 times, and then enter into main operation menu.

(2) On-off Switch triggered alarming

(a) Car door opened alarm

Under system armed status, open the door, the car door lock/unlock sensor detect the intrusion, direction lights flash for 25 seconds, siren chirps at the same time, the base unit call the programmed controlling phone number, after answering the call, voice prompts “car door open” 5 times, then enter into main operation menu

(b) Car started alarm

Under system armed status, some one start the car illegally, the system detect the intrusion, direction lights flash for 25 seconds, siren chirps at the same time, the base unit call the programmed the controlling phone number, after answering the call, voice prompts: “engine started”

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(c) Foot brake to trigger alarm

Under system armed status, pulled foot brake will trigger alarming. Direction lights flash for 25 seconds, and siren will chirp at the same time, the system will call the programmed alarm phone numbers, after answering the call, voice prompts “engine started” for 5 times, and then enter into main operation menu.

Enter into sub-menu and choose “enable/disable the automatic arm function press (3) power-off alarm”

(3) No power alarm

If the standby battery is on, Cut off the main unit’s power source, the system will call the programmed alarming phone numbers automatically, after answering the call, voice prompts “system power off” for 5 times, and then enter into main operation menu

(4) Emergency help

(a) By remote controller

Under system disarm status and vehicle started, press the on the remote controller for at least 3 seconds, LED will on continuously, directions lights will flash, siren will chirp continuously, and the oil and electricity circuit will be cut off after 10 seconds, system will call the programmed emergency phone number automatically, after answering it, voice promotes you “Emergency help” for 5 times, and then enter into main operation menu

(b) By emergency button

Under system disarmed status, press the emergency button above 2 seconds, system will call the programmed emergency phone number, after answering the call ,voice prompts “Emergency help” for 5 times, and then enter into main operation menu, there is no sound and lightning alarming

(5) No answering for the alarm call

If no answer to the first controlling phone number, the system will dial the second one automatically, if still no answer, system will return to the first controlling phone number, and system will turn to calling these two numbers till some answer to the call

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5. AUTO FUNCTION

(1) Arm the system but the car door isn't closed, siren will chirps for three times, direction lights flash for three times, if the owner still don't close the door, 30 seconds later, siren sounds continuously, direction lights flash, the base unit dial programmed controlling phone number

(2) Disarm the system but the car door isn't closed, and car stops, 25 seconds later, system will return to the status before disarm the system, and the door will be locked.

(3) Close the door, but the owner doesn't arm the system within 10 seconds, system will sound "Di…Di…Di", meanwhile direction lights flash

(4) If the user still doesn't arm the system after close the door for 1 minute, system will enter into mute alarm status; the central lock won't lock the door

(5) No matter how long the power has been cut off, the system will save the previous status with power

(6) Pull the foot brake after car has been driving for 15 seconds, car door will lock automatically. When parking and stopping the engine, car door will unlock

(7) After disarming the system, open the door, if the alarm system had been triggered before, the siren would sound once

(8) Parking warning
Park the car and open the door, the direction lights will flash 15 seconds

(9) No GSM signal prompt
After cut off the power, if no GSM signal, voice prompts "No GSM signal in this area"

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6. LED INDICATING

(1) Release alarming status:

Vehicle un-started: Indicating GSM network signals

LED fast shining shows no GSM

LED slow shining shows GSM OK

Started: LED no shining

Urgent help: LED shining lastly

(2) Under system armed:

LED shining for twice and stop for 5 seconds…

Within these 5 seconds, LED indicates GSM（described as 1）

(3) Triggered by vibration:

LED shining for three times and stop for 5 seconds…

Within these 5 seconds, LED indicates GSM（described as 1）

(4) Triggered by switch:

LED shining for two seconds and stop for 5 seconds…

Within these 5 seconds, LED indicates GSM（described as 1）

(5) Triggered to release alarming:

LED will be shining for 3 seconds…

7. MGPS TRACKING

(1) The device supports MGPS mobile network tracking function. Before using this function please check up with local Mobile Telecom Co. for whether this service has been operated. If so and vehicle owner needs this service, SIM in this system should be firstly involved with this service, then vehicle with this system can be tracked when traveling, then any stolen or robbed vehicles can be found.

(2) User who installed with this system please contact with local dealers and learn methods in detail.

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8. GSM CAR MOBILE PHONE

(1) Our system has GSM car mobile phone, the use method is the same as normal mobile phone.

(2) Our car mobile phone is consist of antennal, loudspeaker and wireless, hand-free, built-out microphone

(3) The car phone function is invalid when system is alarming

NOTICE

(1) First, make sure that the standby battery is off. Use tools to take out the SIM card slot, insert the SIM card into it according to the shape of the card slot, and then put it into base unit. The device is electronic compressor lock after factory, Please contact with the factory if need the gas compressor.

(2) Connect with power
First, connect with the 12V main power source.
Observe that LED indicates net signals or not
Open the back-up battery.

(3) Function check
Lock & unlock by remote operation.
Set alarming number.
Test of the alarming number: OK

PARAMETER

(1) Main unit
Working voltage: 12V
Static current: 40mA-60mA
Working frequency when arming and disarming: 400MHz-433MHz
Cover scope: same as GSM
Alarming time: alarm until disarm or answer the phone which receive signals (2)
Sound or mute alarming depends on the design of the car after factory

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(2) Output voltage for controlling
Stop engine voltage: 0V
Control oil voltage: 0V
Control loudspeaker voltage: 12V

(3) Input voltage
Door Check voltage: 0V
Key Check voltage: 12V
Break Check voltage: 12V

(4) Remote controller
Working voltage: 12V (A27 12V dry battery)
Working frequency: 400MHz-433MHz
Distance for controlling: 20-100 meter
Static current: 0mA

(5) Working temperature
Main unit: Storage temperature: -30~+85℃
Working temperature: -20~+75℃
Working humidity: 25%~95%
Accessories: Storage Temperature: -40~+100℃
Working temperature: -20~+85℃
Working humidity: 25%~95%

(6) Dimension of main unit
T360-B318: 134mm x 120mm x 34mm

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INSTALLATION INSTRUCTIONS

1. Installation Notice

a. Our products are available for all cars installed with central lock ,whose engine uses gas or diesel oil, negative of 12V battery connects with iron

b. Suggest using the rechargeable GSM-SIM card with national mobile functions.

c. Check the remained money of the SIM card in time

d. Keep vehicles under the signal of GSM.

e. Secret the password of the main unit. Change the password once it reveals.

f. Under the system is armed status, owner can not be opened the door and start the engine with key, if owner do these action, system will alarm; after arm system by phone, system can only be disarmed by phone

g. It is dangerous to stop the vehicle when it is running fast, system will ask user to confirm. Suggestion notifying the driver before using this function, first the user can warn the driver and give him some time to respond, if no danger, then confirm to stop the car running.

2. Preparation works and testing after installed

Our product is as simple as the normal car alarm, the steps for you reference:

(1) Preparation-first step.
We need put all things and tools together including a SIM card. You can check the parts list.

(2) Exam the car
I think it's very important too. Please make sure of that you car is in good condition.

(3) Connect the cables with the main unit depend on the MACHINE CIRCUIT DIAGRAM.

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(4) Put the SIM card into the unit.
At first, you need make sure that the battery switch is off. This is very important to keep your SIM card from damage. Beside the SIM card entrance, there's small hole which is a button. Press the button by some tools like a pin, the frame will be out and put the card into it as the shape and the metal part outside. Connect the unit with the vehicle power and turn on the system battery.

(5) Test the function one by one.
Transmitter and the phone call. You can test it followed the function introduction

(6) Put everything the proper place including the cables and the main unit. You'd better hid all the things very well, under the seat or somewhere. After that, nobody and you don't believe you had installed a powerful car alarm that feels great!

FREQUENT ASK QUESTION

Problem 1:
Short distance of the remote controller

Solution:
(1) Inspect if the remote controller doesn't have enough power.
(2) Inspect if some barriers like solar membrane obstruct transmission of the signals.
(3) Inspect if there are any interruptions of other similar frequency signals

Problem 2:
Now power when call the system

Solution:
(1) Check whether net signals are OK.
(2) Check whether SIM Card touches properly.
(3) Check whether cut off the power source and the back-up battery when inserting the SIM card
(4) Open the ACC, meanwhile press the emergency button for 5 times, direction lights flash 3 times, the system will reset again

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Problem 3:
Call the alarming number when there is no alarm

Solution:
(1) Check if the shake sensitivity is over sensitive.
(2) Check if the door locks /unlock switch is OK
(3) Check if the battery have enough power or touch well.

Problem 4:
The central lock can't lock automatically when driving

Solution:
(1) Whether the door is completely closed.
(2) Whether the wire connection between feet brakes & the contact is OK.
(3) Whether existing or factory-installed central lock connection is OK
(4) Whether the car battery has enough power or the electrode touches well.

Problem 5:
Under protection cancelled status but vehicle can't work

Solution:
(1) Check if car battery has enough power
(2) Check if the wire connection of the engine is OK

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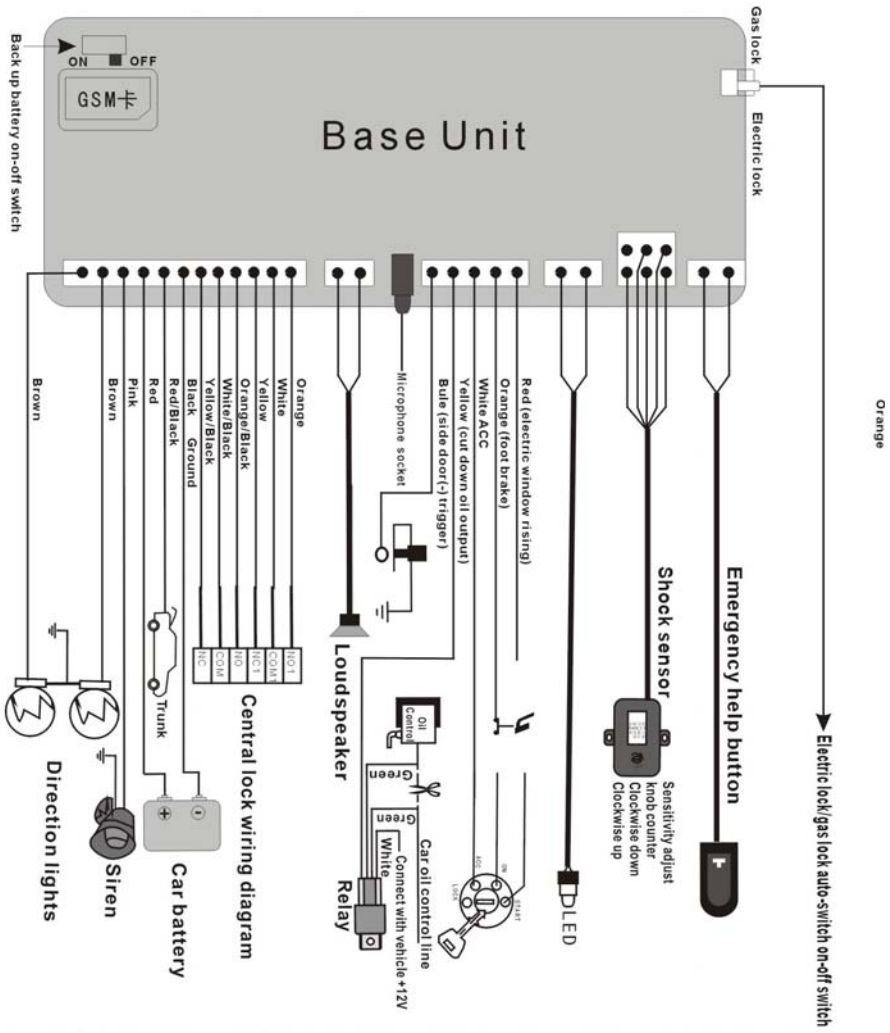
INSTALLATION WIRING DIAGRAM

1. WT-218 Wiring Diagram for Main Unit



Attention:

(1) After Installation, insert the SIM card into the main unit and then turn on the back up battery switch, if you want to change another SIM card, make sure first cut off the power and turn off the back up battery switch

(2) Make sure pull out the fuse inside the power, after installation then insert the fuse, of it is easy to occur short circuit during installation

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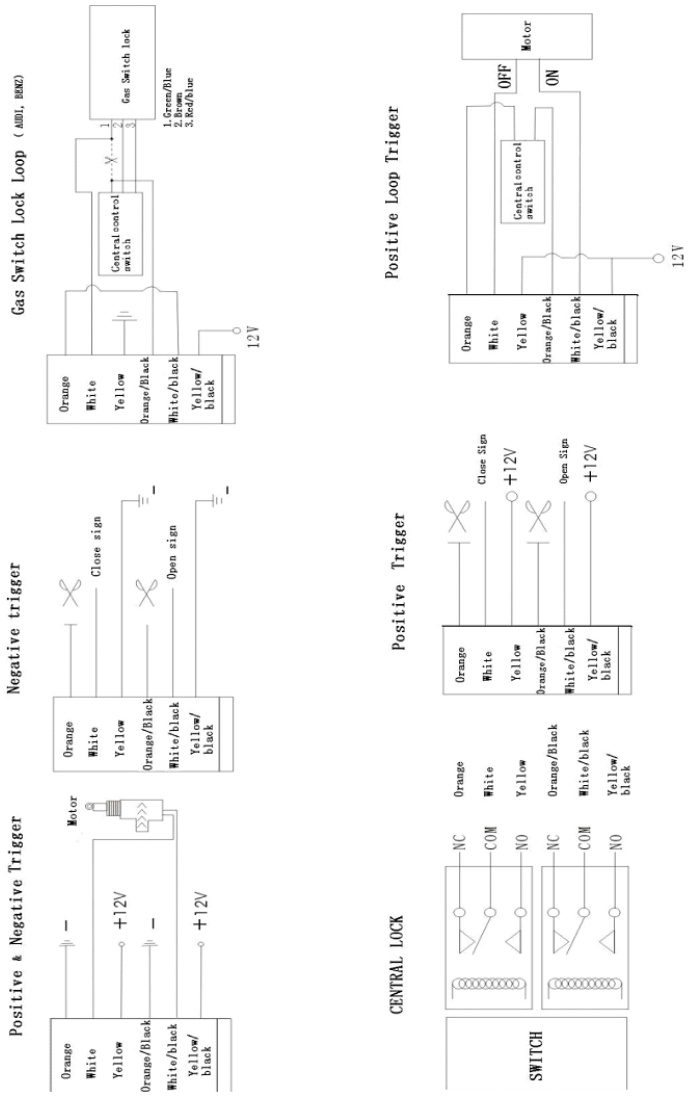
2. Wiring Diagram For Central Lock



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